

RECOMBINANT HEXOSE OXIDASE, A METHOD OF PRODUCING SAME AND USE OF SUCH ENZYME

## ABSTRACT

5 A method of producing hexose oxidase by recombinant DNA  
technology, recombinant hexose oxidase and the use of such  
enzyme, in particular in the manufacturing of food products  
such as doughs and dairy products, animal feed, pharmaceuticals,  
cosmetics, dental care products and in the manufacturing  
of lactones. Suitable sources of DNA coding for the  
10 enzyme are marine algal species including *Chondrus crispus*,  
*Iridophycus flaccidum* and *Euthora cristata*. In useful embodiments,  
the recombinant hexose oxidase is produced by *Pichia pastoris*, *Saccharomyces cerevisiae* or *E. coli*.